HPSV Controller PCB

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1 HPSV Controller PCB

Electrostatic discharge may damage electrostatic sensitive devices. When handling electrostatic sensitive devices, use a static-dissipative mat and a static dissipative wrist strap.

Risk of burns when operating the system with the rear panel (heat sink) disassembled. Do not operate the system for longer periods of time with the rear panel disassembled.

1.1 Power supply

X1			
Pin	Assignment	Pin	Assignment
5c	+12 V	11c	AGND
6c	+15 V	12c	DGND
7c	-15 V		
14c	+5 V		

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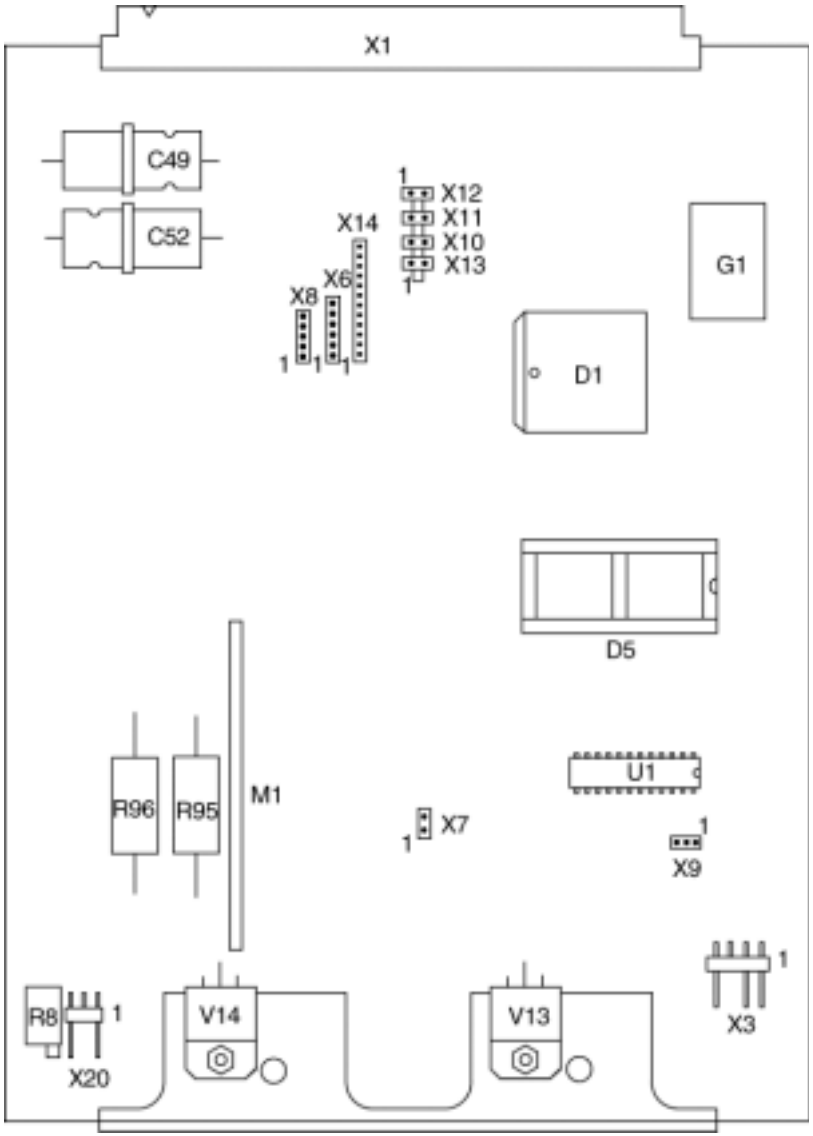

Fig. 1 HPSV Controller PCB

1.2 Testing with external DrägerService mode

For testing, refer to “External DrägerService mode with personal computer”, section “HPS valves (mixer)”.

1.3 Replacing the HPSV Controller O2 or AIR

1 Switch off the device.

2 Unplug the power plug of the device from the socket-outlet.

Electrostatic discharge may damage electrostatic sensitive devices. When handling electrostatic sensitive devices, use a static-dissipative mat and a static dissipative wrist strap.

3 Create ESD conditions.

4 Remove the screws (Fig. 2/1).

5 Remove the screws (Fig. 2/2).

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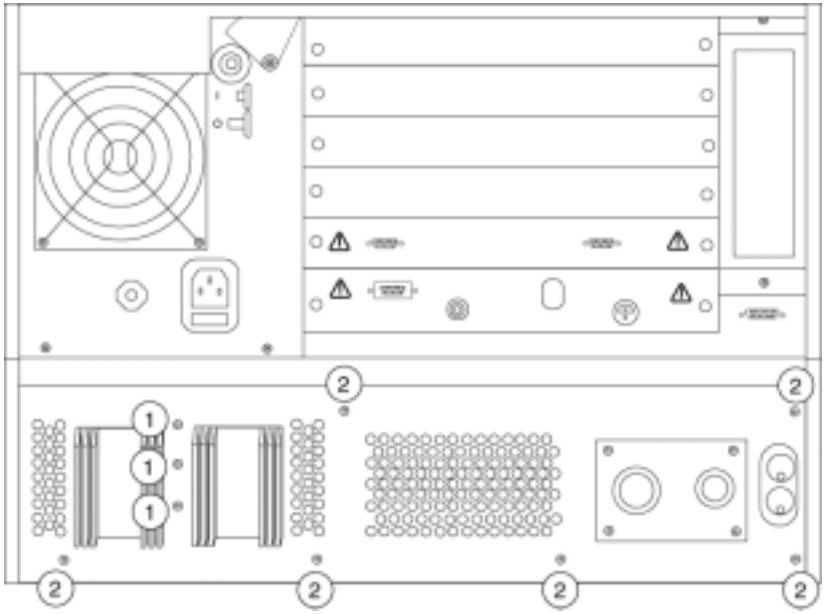

Fig. 2 Rear view of the device

6 Remove the rear panel of the pneumatic assembly and put it aside.

7 Remove the faulty HPSV Controller PCB “AIR” or “O2” (Fig. 3) from the device.

Faulty HPSV Controller PCBs are special waste. Dispose of a faulty HPSV Controller PCB according to applicable waste disposal regulations.

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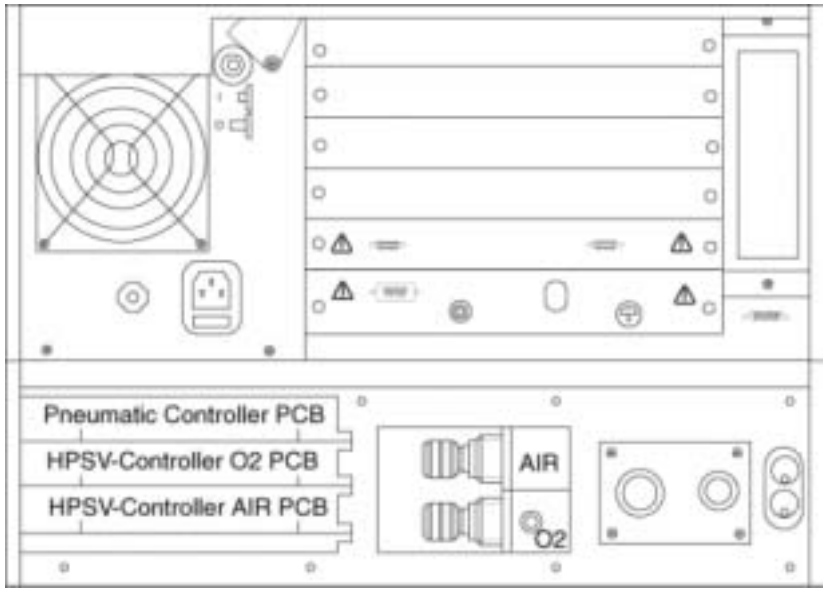

Fig. 3 Rear view of the device (with open pneumatic assembly)

9 Install the new HPSV Controller PCB into the device in the reverse order of disassembly.

10 Plug the power plug of the device into the socket-outlet.

11 Switch the device on.

12 Perform “electrical safety tests” and “function tests” as described in the PMS procedure. For the USA and Canada: test according to CAN/CSA-22.2 No. 601.1-M90.